

ATTACHMENT  
C

**Your  
Seattle  
Fire Department**

Claude Harris, Chief  
Charles Royer, Mayor

November 5, 1987



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NOV 6 - 1987

Environmental Affairs Division

Shirli Axelrod  
City Light Environmental Affairs  
Room 922  
1015 3rd Avenue  
Seattle, WA 98104

Dear Shirli Axelrod:

This is in response to your letter of October 15, 1987 regarding underground fuel tanks at Georgetown Steam Plant.

The removal of the four steel tanks used for fuel oil and diesel fuel is required per SFC 79.113.

The 465 gallon steel tank used for water storage doesn't constitute the same liability under the Fire Code. In the interest of safety the Seattle Fire Department recommends it be removed or filled with slurried cement because of possible collapse in the future.

Your proposal to demolish the above-ground concrete tank is approved with proper cleaning of residue and cover the remaining portion with clean fill dirt.

In regards to permit requirements for abandoning underground tanks:

- a. Done under Permit from the City of Seattle Fire Department.
- b. Per Seattle Fire Code Section 79.113.
- c. All tanks to be certified gas free by Marine Chemist prior to removal.
- d. See attached information.

If you have any further questions, contact Inspector Don Brenneman at 625-4077 regarding this matter.

Very truly yours,

CLAUDE HARRIS, CHIEF  
Seattle Fire Department

B. L. Hansen, Fire Marshal

BLH:DB:sr

Attachment

An equal employment opportunity - affirmative action employer.  
City of Seattle—Fire Department, 301 Second Avenue South, Seattle, Washington 98104, (206) 625-4091

KCSlip4 59902

SEA426201

NOT A VALID PERMIT

INSPECTOR WILL INSPECT JOB SITE AND ISSUE PERMIT

- CONDITIONS:**
1. TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.
  2. Two (2) 20 BC portable fire extinguishers are to be on site within 50' of the operation.
  3. Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.
  4. "No Smoking" signs must be posted in readily visible locations.
  5. No hot works allowed unless the tanks are certified gas free. A separate Fire Department permit (Code 491) is required for cutting and welding operations.

- PROCEDURES:**
1. Call <sup>386-1450</sup>~~625-4077~~, 24 hours prior to removal to arrange for an appointment.
  2. Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal Business Hours are 7:30 A.M. to 4:30 P.M.)
  3. Tank to be completely empty of all flammable or combustible liquids prior to removal.
  4. To ensure that the tank atmosphere has been inerted, one (1) pound of dry ice (Carbon dioxide) per 50 gallon capacity of the tank must be inserted in the tank. (A 1000 gallon tank would require 20 pounds of dry ice.) This should be done prior to the use of heavy equipment for excavating.
    - a. Wait a minimum of 60 minutes for dry ice to vaporize. Vapors should begin to show at the fill pipe at this time.
    - b. A Fire Marshal's Office Inspector will test with a Carbon dioxide tester. When a reading of 60% CO<sub>2</sub> is achieved, tank removal may begin.
    - c. CO<sub>2</sub> fire extinguishers or compressed gas are not to be used for inerting purposes. This produces static electricity which may result in an explosion.

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Environmental Affairs Division

This block for staff use only

GRADING FILE NO. 2946-26  
 ISSUE DATE: 2-9-88  
 EXPIRATION DATE: 2-9-89  
 Sec., T., R.: 20-24-4  
 Zoning: Seattle, Boeing Field  
 PROJECT NAME: George Town  
 PROJECT LOCATION: New Port - Lake Rowan  
13<sup>th</sup> Ave South + S. Alvelay St.  
 Received by: R.S.  
 Date: 12-21-87

## BONDS

	yes	no	amount
Cash (Operating)	( )	( )	\$
Surety (Reclamation)	( )	( )	\$
Reclamation/State	( )	( )	\$
Insurance	( )	( )	\$
expires			

## FEES

	yes	no	amount
Plans Review	( )	( )	\$ <u>399.96</u>
S.W.M.	( )	( )	\$
SEPA	( )	( )	\$
Sens. Area	( )	( )	\$
Surcharge			\$
SUB TOTAL			\$
Acreage	( )	( )	\$
yardage	( )	( )	\$ <u>332.40</u>
Surcharge			\$
TOTAL			\$ <u>732.36</u>

THIS APPLICATION BECOMES THE PERMIT WHEN APPROVED, SIGNED AND STAMPED.

APPROVED subject to conditions of approval attached hereto and supplemental sheet when necessary.

BUILDING & LAND DEVELOPMENT DIVISION  
 KING COUNTY, WA.

Date: 2-9-88

I certify that the information furnished for this permit is true and correct and I guarantee that applicable King County Ordinances and operating conditions will be my responsibility and violation thereof will be cause for code enforcement action, and I fully understand that no work can continue beyond the expiration of this permit without first securing a new permit.

Date: 12/9/87 Lynn Davison

APPLICANT: complete the following items only

Total size in acres of site: \_\_\_\_\_  
 Total amount of material in cubic yards to be moved: Approx. 2,000  
 Number of acres open and not rehabilitated during next 12 months: -0-  
 Cubic yards to be filled or excavated during next 12 months: Approx. 2,000  
 Number of acres to be rehabilitated during next 12 months: .33

If this permit is for work to be done in conjunction with any of the following please check and note file number.

Unclassified Use Permit	( )	File #	_____
Subdivision	( )	File #	_____
Planned Unit Development	( )	File #	_____
Shoreline Management Permit	( )	File #	_____
Building Permit	( )	File #	_____

APPLICANT: City of Seattle, Light Department

ADDRESS: 1015 Third Avenue

CITY/STATE/ZIP: Seattle, WA 98104

TELEPHONE: \_\_\_\_\_

OWNER: King County

ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

Relationship of applicant to property:

( ) owner  
 ( ) contractor  
 ( ) lessee  
 ( ) other

RECEIVED  
 BLDG & LAND DEVEL

DEC 21 1987

A COPY OF PERMIT, CONDITIONS AND A SET OF THE APPROVED PLANS MUST BE ON THE SITE AT ALL TIMES DURING CONSTRUCTION.

2946-26

Seattle City, King

In acceptance of this Grading permit the applicant does hereby acknowledge that failure to comply with all the conditions set forth herein shall necessitate an immediate work stoppage until such time as compliance with the stipulated conditions is attained. Additionally, the granting of this permit should not be construed as satisfying the requirements of any other Federal, State or local permits or authorizations. The operation to be undertaken through this Grading Permit shall be conducted in accordance with the following conditions:

## A. STANDARD CONDITIONS OF APPROVAL.

1. No external signs shall be permitted except those authorized by the King County Zoning Code or as required by this permit.
2. Hours of operation shall be limited to 7:00 a.m. to 7:00 p.m., Monday through Friday.
3. As a measure to minimize problems of dust, mud and traffic circulation, on-site access roads shall be located and maintained to the satisfaction of the King County Department of Public Works.
4. The permittee shall maintain a liability policy in the amount of \$100,000.00 per individual; \$100,000.00 per occurrence and \$50,000.00 property damage naming King County as an additional insured. The additional insured clause must read: "It is hereby understood and agreed that King County, its appointed and elected officials and employees, while acting within the scope of their duties as such is named as an additional insured." No other wording will be accepted.
5. The permittee shall abide by the regulations of the Puget Sound Air Pollution Control Agency.
6. The permittee shall abide by the provisions of King County Ordinance #3139 relating to noise control.
7. Temporary settling ponds must be constructed in accordance with King County Ordinance #2 Chapter 20.90 K.C.C.
8. If at any time truck traffic generated by this grading operation interferes with normal traffic flows within the immediate area, flag men shall be required.
9. The permittee shall notify the Building & Land Development Division 48 hours prior to the commencement of grading activities (206) 444-7900 Grading Section.  
296-6610
10. Any structures on filled areas shall comply with the conditions of the Uniform Building Code relating to the placement of building foundations.

## B. CONDITIONS PURSUANT TO K.C.C. 16.82.100 and 16.82.110:

16.82.100 Operating conditions and standards of performance. Cuts and fills shall conform to the provisions of this section unless otherwise approved by the director.

(1) SLOPE. No slope of cut and fill surfaces shall be steeper than is safe for the intended use and shall not exceed two horizontal to one vertical, unless otherwise approved by the director.

(2) EROSION CONTROL. All disturbed areas including faces of cuts and fill slopes shall be prepared and maintained to control erosion. This control may consist of effective planting. The protection for these areas shall be installed as soon as practical and prior to bond release. Where areas are not subject to erosion, as determined by the director, such protection may be omitted.

(3) PREPARATION OF GROUND. The ground surface shall be prepared to receive fill by removing unsuitable material such as concrete slabs, tree stumps, brush and car bodies.

(4) FILL MATERIAL. Except in an approved sanitary landfill, only earth materials which have no rock or similar irreducible material with a maximum dimension greater than eighteen inches shall be used.

(5) DRAINAGE. Provisions shall be made to:

(a) Prevent any surface water or seepage from damaging the cut face of any excavations or the sloping face of a fill;

(b) Carry any surface waters that are or might be concentrated as a result of a fill or excavation to a natural watercourse, or by other means approved by the Department of Public Works;

(c) Prevent any sediment from leaving the site.

(6) BENCH/TERRACE. Benches, if required, at least ten feet in width shall be back-sloped and shall be established at not more than twenty-five feet vertical intervals to control surface drainage and debris. Swales or ditches on benches shall have a maximum gradient of five percent.

(7) ACCESS ROADS - MAINTENANCE. Access roads to grading sites shall be maintained and located to the satisfaction of the King County Department of Public Works to minimize problems of dust and traffic circulation.

(8) ACCESS ROADS - GATE. Access roads to grading sites shall be controlled by a gate when required by the director.

(9) WARNING SIGNS. Signs warning of hazardous conditions, if such exist, shall be affixed at locations as required by the director.

(10) FENCING. Fencing, where required by the director, to protect life, limb and property shall be installed with lockable gates which must be closed and locked when not working the site. The fence must be no less than five feet in height and the fence material shall have horizontal opening larger than two inches.

(11) SETBACKS. The tops and the toes of cut and fill slopes shall be set back from property boundaries as far as necessary for safety of the adjacent properties and to prevent damage resulting from water runoff or erosion of the slopes. (over)

necessary for adequacy of foundation support or erosion of the slopes. result of water runoff

Slopes and setbacks shall be determined by the Director

(12) EXCAVATIONS TO WATER-PRODUCING DEPTH. All excavations must either be made to a water-producing depth or grade to permit natural drainage. The excavations made to a water-producing depth shall be reclaimed in the following manner:

(a) The depth of the excavations must not be less than two feet measured below the low-water mark.

(b) All banks shall be sloped to the water line no steeper than three feet horizontal to one foot vertical.

(c) All banks shall be sloped from the low water line into the pond or lake with a minimum slope of three feet horizontal to one foot vertical to a distance of at least twenty-five feet.

(d) In no event shall the term water-producing depth as herein used be construed to allow stagnant or standing water to collect or remain in the excavation.

(e) The intent of this provision is to allow reclamation of the land which will result in the establishment of a lake of sufficient area and depth of water to be useful for residential or recreational purposes.

(13) HOURS OF OPERATION. Hours of operation, unless otherwise authorized by the director, shall be between seven a.m. and seven p.m.

(14) CONTINUOUS SPECIAL INSPECTION - Storm sewer and underground utilities installation requires continuous inspection by a licensed engineer or representative of an approved testing laboratory, with periodic progress reports submitted to E.A.L.D.'s grading section (Neil Gance 344-7900). RANDY SANDIN 296-6610.

(15) CALL BEFORE YOU DIG - Effective June 6, 1994, you must call 1-800-424-5555 not less than 48 hours before beginning excavation where any underground utilities may be located. Failure to do so could mean bearing substantial repair costs (up to three times the cost of repairs to the service).

(16) This permit does not approve road design and/or location. Additional permits and approvals will be required.

(17) CALL FOR INSPECTION - (344-7900) after installation of erosion and sediment control and prior to construction. 296-6610

#### 16.02.110 LAND RESTORATION.

(1) Upon the exhaustion of minerals or materials or upon the permanent abandonment of the quarrying or mining operation, all nonconforming buildings, structures, apparatus or appurtenances accessory to the quarrying and mining operation shall be removed or otherwise dismantled to the satisfaction of the director. This requirement shall not require land restoration on projects completed prior to January 1, 1971, except those covered under previously existing zoning requirements.

(2) Final grades shall be such so as to encourage the uses permitted within the underlying classification.

(3) Grading or backfilling shall be made with nonnoxious, nonflammable, noncombustible and nonputrescible solids.

(4) Such graded or backfilled areas, except for roads, shall be sodded or surfaced with soil of a quality at least equal to the topsoil of the land areas immediately surrounding, and to a depth of at least four inches or a depth of that of the topsoil of land areas immediately surrounding if less than four inches.

(5) Such topsoil as required by subdivision (4) shall be planted with trees, shrubs, legumes, grasses, and said flora shall be so selected as to be indigenous to the surrounding area.

(6) Graded or backfilled areas shall be reclaimed in a manner which will not allow water to collect and permit stagnant water to remain. Suitable drainage systems approved by the Department of Public Works shall be constructed or installed if natural drainage is not possible.

(7) Waste or soil piles shall be leveled and the area treated as to sodding or surfacing and planting as required in subdivisions (4) and (5) of this section.

#### C. ADDITIONAL CONDITIONS listed hereafter and/or on supplemental sheet attached.

- (1) See Attached
- (2) \_\_\_\_\_
- (3) \_\_\_\_\_
- (4) \_\_\_\_\_
- (5) \_\_\_\_\_

Grading Permit and conditions of approval accepted and received by:

hy 2/2/98  
Name Date

Planning & Land Development Division

Planning & Land Development Division

Planning & Land Development Division

Planning & Land Development Division

TRAFFIC DIVISION, Department of Public Works

TRAFFIC DIVISION, Department of Public Works

Planning Division, Dept. Plan. & Comm. Dev.

KCSlip4 59906

SEA426205

Additional Conditions of Approval  
for

Grading Permit #2946-26

1. Nothing in this approval shall conflict with requirements of other permits or approvals. In the event of a conflict, all site work shall cease until the conflict is resolved.
2. All unsuitable or surplus excavated or cleared material to be removed from the site shall be disposed of in an approved, legal fill site. It will be permittees responsibility to locate acceptable disposal sites and assure that all surplus material is disposed of in same. Prior to removing any material from the site, contact the Grading Section at 344-7935.
3. Please be advised that a demolition permit will be required for removal of existing on-site structures.
4. Prior to the start of any work, call Martha Burnham of the Grading Section at 344-7935 to arrange a pre-construction meeting. Please be advised that this permit shall not be effective until the Notice to Proceed has been issued.

Grading permit and conditions of approval  
accepted and received by:

h. J. D. S. 2/13/88  
Name Date

GRADING TECHNICAL COMMITTEE:

R. G. Allen